

Detailed Description Text - DETX (28)

Smoothing portion 30 subjects image data BD27 - 20 to a smoothing processing which is a so-called moving average processing. More specifically, smoothing portion 30 replaces the value of image data BD27 - 20 of a subject pixel with the average value of image data BD27 - 20 of seven pixels in total combining the subject pixel and six pixels in opposite sides of the subject pixel (three pixels for each side), with respect to image data BD27 - 20 of each of the pixels that are sequentially input in accordance with clock signal SYNCK.

Detailed Description Text - DETX (45)

Thus, shading correction circuit 103a includes a smoothing portion 40 for carrying out a moving average processing by separating the pixels into odd number pixels and even number pixels. Shading correction circuit 103a carries out a correction of a black level on the basis of reference data XK1 corresponding to the odd number pixels and reference data XK2 corresponding to the even number pixels.

Sheet 1 of 7

5,253,083